CLAIMS

What is Claimed is:

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_	1 5	In a system serially including a compressor, a discharge line, a
, (condenser, an expansion device, an evaporator and a suction line, means for achieving
N	3	capacity control comprising:
y	4	a solenoid valve in said suction line;
0	5	means for rapidly pulsing said solenoid valve whereby the rate of flow
	6	in said suction line to said compressor is modulated.
	1	2. The capacity control of claim 1 further including a fluid path
	2	connected to said compressor at a location corresponding to an intermediate point of
	3	compression in said compressor.
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	1	3. The capacity control of claim 2 further including:
	2	a bypass line connected to said fluid path and said suction line;
	3	a solenoid valve in said bypass line;
	4	means for rapidly pulsing said solenoid valve in said bypass line
	5	whereby the rate of flow of bypass to said suction line is modulated.
	1	The capacity control of claim 3 further including;

4. The capacity control of claim 3 further including;
an economizer circuit connected to said fluid path;
a solenoid valve in said economizer circuit; and
means for rapidly pulsing said solenoid valve in said economizer
circuit whereby the rate of economizer flow to said compressor is modulated.

5. The capacity control of claim 2 further including; an economizer circuit connected to said fluid path;

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3	a solenoid valve in said economizer circuit; and
4	means for rapidly pulsing said solenoid valve in said economizer
5	circuit whereby the rate of economizer flow to said compressor is modulated.
1	6. \ In a system serially including a compressor, a discharge line, a
2	condenser, an expansion device, an evaporator and a suction line, means for achieving
3	capacity control comprising:
4	a fluid path connected to said compressor at a location corresponding
5	to an intermediate point of compression in said compressor;
6	a bypass line connected to said fluid path and said suction line;
7	a solenoid valve in said bypass line;
8	means for rapidly pulsing said solenoid valve in said bypass line
9	whereby the rate of flow of bypass to said suction line is modulated.
1	7. The capacity control of claim 6 further including;
2	an economizer circuit connected to said fluid path;
3	a solenoid valve in said economizer circuit; and
4	means for rapidly pulsing said solenoid valve in said economizer
5	circuit whereby the rate of economizer flow to said compressor is modulated.
1	8. In a system serially including a compressor, a discharge line, a
2	condenser, an expansion device, an evaporator and a suction line, means for achieving
3	capacity control comprising:
4	a fluid path connected to said compressor at a location corresponding
5	to an intermediate point of compression in said compressor;
6	an economizer circuit connected to said fluid path;
7	a solenoid valve in said economizer circuit, and
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8 means for rapidly pulsing said solenoid valve in said economizer

9 circuit whereby the rate of economizer flow to said compressor is modulated.

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